

# CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 27-NOV-11	F.R. # 1001870373	SERV. SUPV. RYAN SULLIVAN										
LEASE & WELL NAME HOOD #6-2-20 - API 05123332520000		LOCATION 17-6N-66W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 22		TYPE OF JOB Long String										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD				
Cement Plug, Rubber, Top 4-1/2 in		Centralizer, with Pins, 4-1/2 in												
		Cement Basket, Slip On, 4-1/2 in												
		Float Shoe 4-1/2 - 8rd												
		Float Collar, 4-1/2 - 8rd												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
ClayCare Water				0	8.34	0	0	00:00	20					
50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF				290	14.6	1.38	5.90	02:30	71.3	40.75				
ClayCare Water				0	8.34	0	0	00:00	120.5					
Mud Clean II				0	8.5	0	0	00:00	20					
ClayCare Water				0	8.34	0	0	00:00	20					
PL+.6%SMS+8#/skCSE2				320	11	3.22	19.86	03:30	183.5	151.48				
Available Mix Water		300	Bbl.	Available Displ. Fluid		200	Bbl.	TOTAL		435.3 192.23				
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
7.875	0	7773	4	4.5	11.6	CSG	7770	7770	N-80	7770	7756	0		
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH			TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.1	8.63	24	CSG	580	580	No packer		0	0	0	4.5	8RD	WATER BASED	9.4
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER			
VOLUME	UOM	TYPE		WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator			
120.5	BBLS	ClayCare Water		8.34	1168	0	0	0	0	6224	3000	Rig		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 BPM						
Mud Density In: 9.4 LBS/GAL				Mud Density Out: 9.4 LBS/GAL				PV & YP Mud In: 12		PV & YP Mud Out: 12				
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:				Solids Present at End of Circulation:		NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				
<b>Displacement And Mud Removal</b>														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.1 BBLS										
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visually										
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES										
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 30				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID						
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD														
<b>Plugs</b>														
Number of Attempts by BJ: 0				Competition: 0				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:						
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES										
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT				Bottom of Plug: 0 FT						
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>														
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>						
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL								

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

# CEMENT JOB REPORT



## Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL

Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)  
None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
None

### PRESSURE/RATE DETAIL

### EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	4370 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
16:08	0	0	0	0	N/A	Arrive on location, 42 miles. Casing done, rig circulating.	
16:10	0	0	0	0	N/A	Spot trucks, pre-rig up safety meeting	
17:05	0	0	0	0	N/A	Pre-job safety meeting	
17:31	1780	0	0	0	WATER	Low pressure test	
17:33	4370	0	0	0	WATER	High pressure test	
17:35	370	0	7.1	20	CLAYCARI	Claycare water	
17:39	457	0	7.1	20	MUD CLEA	Mud clean II	
17:43	485	0	7.1	20	CLAYCARI	Claycare water	
17:47	238	0	7.3	182	CEMENT	Batch-up, weigh, & pump 320 sx of PLC + 4% Bentonite + 0.6% SMS + 8 lbs/sk CSE-2 @ 11 ppg	
18:16	204	0	5	69	CEMENT	Mix, weigh, & pump 290 sx of (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SMS + 20% Silica Flour @ 14.6 ppg	
18:32	0	0	0	0	N/A	Drop plug & wash-up pumps & lines	
18:39	135	0	7.2	50	CLAYCARI	Displace	
18:47	38	0	4.8	25	CLAYCARI	Rate change	
18:53	149	0	4.8	35	CLAYCARI	Caught cement	
19:00	1082	0	3.6	5	CLAYCARI	Rate change	
19:02	1074	0	2.4	5.5	CLAYCARI	Rate change	
19:04	1224	0	2.4	120.5	CLAYCARI	Bump plug to 2486 psi	
19:10	0	0	0	0	N/A	Pre-rig down safety meeting	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1224	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	431.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	